

Specifications



Wind-Free™ Optimum

- Wind-Free™ Cooling
- Ionizer (SPI)
- Easy Filter Plus
- Wi-Fi Control - Samsung SmartThings

Indoor Unit			AR09RXPXBWKNEU	AR12RXPXBWKNEU	AR18RXPXBWKNEU	AR24RXPXBWKNEU
Outdoor Unit			AR09RXPXBWKXEU	AR12RXPXBWKXEU	AR18RXPXBWKXEU	AR24RXPXBWKXEU
Capacity						
Capacity	Cooling (Nominal)	kW	2.5	3.5	5,0	6.5
	Cooling (Min - Max)	kW	0.9~3.3	0.9~4.0	1.6~6.7	1.4~7.6
	Heating up to +7°C	kW	3.2	3.5	6,0	7.4
	Heating (Min - Max)	kW	1.1~4.9	1.1~5.5	1.2~8.0	1.2~9.2
	Heating @ -5°C	kW	TBD			
	Heating @ -10°C	kW				
	Heating @ -15°C	kW				
Performance						
Energy Efficiency Cooling	SEER	W/W	7.10 / A++	6.50 / A++	6.80 / A++	6.40 / A++
	Consumption	kWh/a	123	188	257	355
	Pdesignc	kW	2.5	3.5	5	6.5
	EER	W/W	4.17	3.57	3.6	3.33
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	3.8 / A	3.8 / A
	Consumption	kWh/a	770	770	1400	1511
	Pdesignh (average)	kW	2.2	2.2	3.8	4.1
	COP	W/W	3.76	3.72	3.51	3.15
Moisture Removal		l/hr	1,0	1.5	2,0	2.5
Maximum AirFlow (Cooling)	Indoor Unit	m³/min	9.3	10	15.9	17.6
	Outdoor Unit	m³/min				
Sound Power	Indoor Unit (Cooling)	dBA	54	56	58	62
	Outdoor Unit (Cooling)	dBA	59	62	65	68
Sound Pressure	Indoor Unit Low/High	dBA	19 / 37	19 / 38	25 / 41	26 / 45
	Outdoor Unit High	dBA	45	46	51	54
Operating Temp. Range	Cooling	°C	-10~46	-10~46	-10~46	-10~46
	Heating	°C	-15~24	-15~24	-15~24	-15~24
Electrical Data						
Power Source		V / Hz / Φ	220 ~ 240/ 50/ 1	220 ~ 240/ 50/ 1	220 ~ 240/ 50/ 1	220 ~ 240/ 50/ 1
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary	BLDC Rotary
Power consumption	Cooling	W	600	980	1390	1950
	Heating	W	850	940	1710	2350
Operating Current	Cooling	A	3.1	4.6	6.4	8.8
	Heating	A	4,0	4.4	7.8	10.5
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	828*267*265	828*267*265	1065*301*311	1065*301*311
	Outdoor Unit	mm	720*548*265	720*548*265	880*638*310	880*638*310
Net Weight	Indoor Unit	kg	9.4	9.4	13.2	13.4
	Outdoor Unit	kg	27.6	27.6	40.2	44.2
Refrigerant						
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)			
	Charging (for 5m)	kg	0.75	0.75	1.15	1.15
	Charging Ton equivalent CO2	tCO2e	0.51 tCO2e	0.51 tCO2e	0.78 tCO2e	0.78 tCO2e
	Additional refrigerant charging	g / m	15	15	15	15
Piping Connections	Liquid Pipe	Φ,inch	1/4	1/4	1/4	1/4
	Gas Pipe	Φ,inch	3/8	3/8	1/2	5/8
Piping Length	Min / Max (ODU to IDU)	m	3 / 15	3 / 15	3 / 30	3 / 30
Piping Height	Max	m	8	8	15	15
Piping Connections	Drain Pipe	Φ,mm	ID 16	ID 16	ID 16	ID 16

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Functions						
Air Flow	Wind-Free™ Cooling		•	•	•	•
	Air Direction Control (Up/Down)		Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)		Auto	Auto	Auto	Auto
	Auto Fan speed		•	•	•	•
Air Purification	Ionizer (SPI)		•	•	•	•
	PM 2.5 Filter		-	-	-	-
	Easy Filter Plus		•	•	•	•
	Allergy Care		•	•	•	•
	Anti-Bacteria		•	•	•	•
	Auto Clean (Self Cleaning)		•	•	•	•
Operating Mode	2 Step Cooling		•	•	•	•
	Fast Cool		•	•	•	•
	Comfort Cool		•	•	•	•
	Good Sleep		•	•	•	•
	Dehumidification		•	•	•	•
	Fan Mode		•	•	•	•
	Quiet		•	•	•	•
Other Functions	WiFi Control - Samsung SmartThings		•	•	•	•
	Filter Cleaning Indicator		•	•	•	•
	Indoor Temp. Display		•	•	•	•
	Display On/Off		•	•	•	•
	Beep On/Off		•	•	•	•
	Auto Changeover		•	•	•	•
	Auto Restart		•	•	•	•

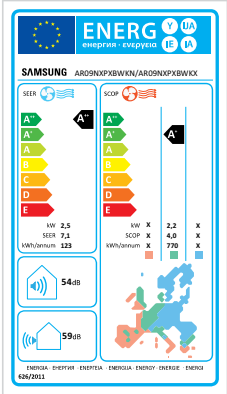
Accessory

Included



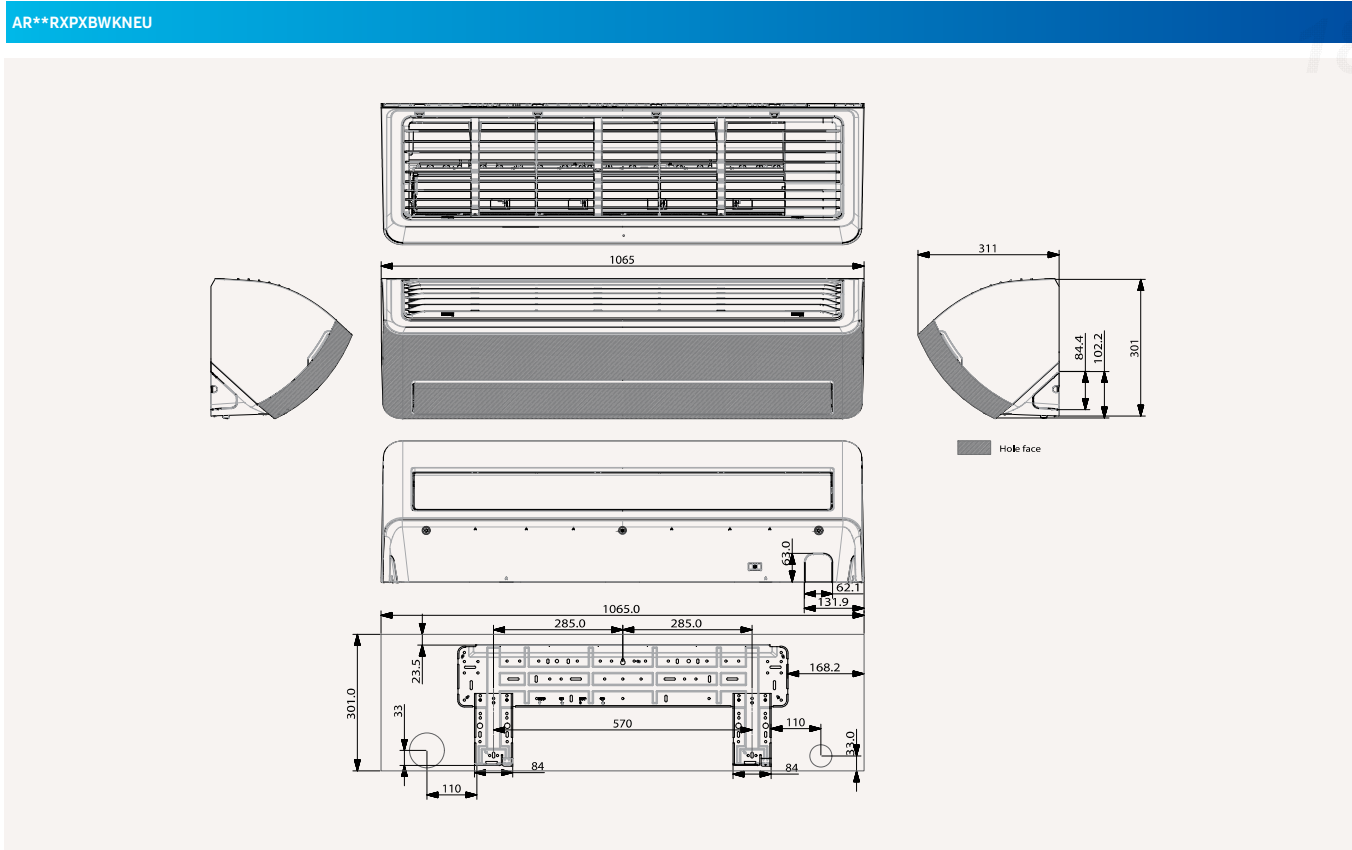
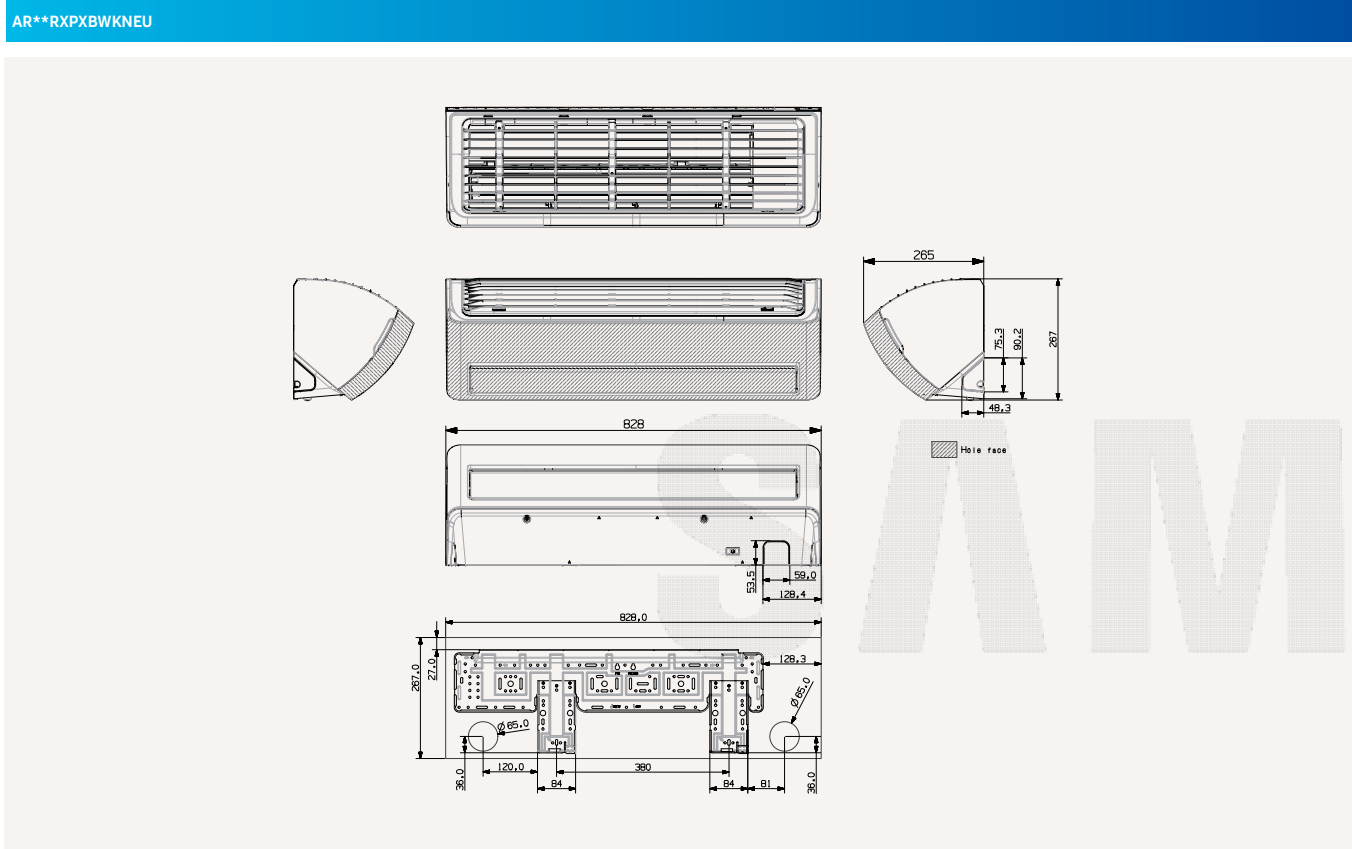
Wireless Remote Controller

TBD

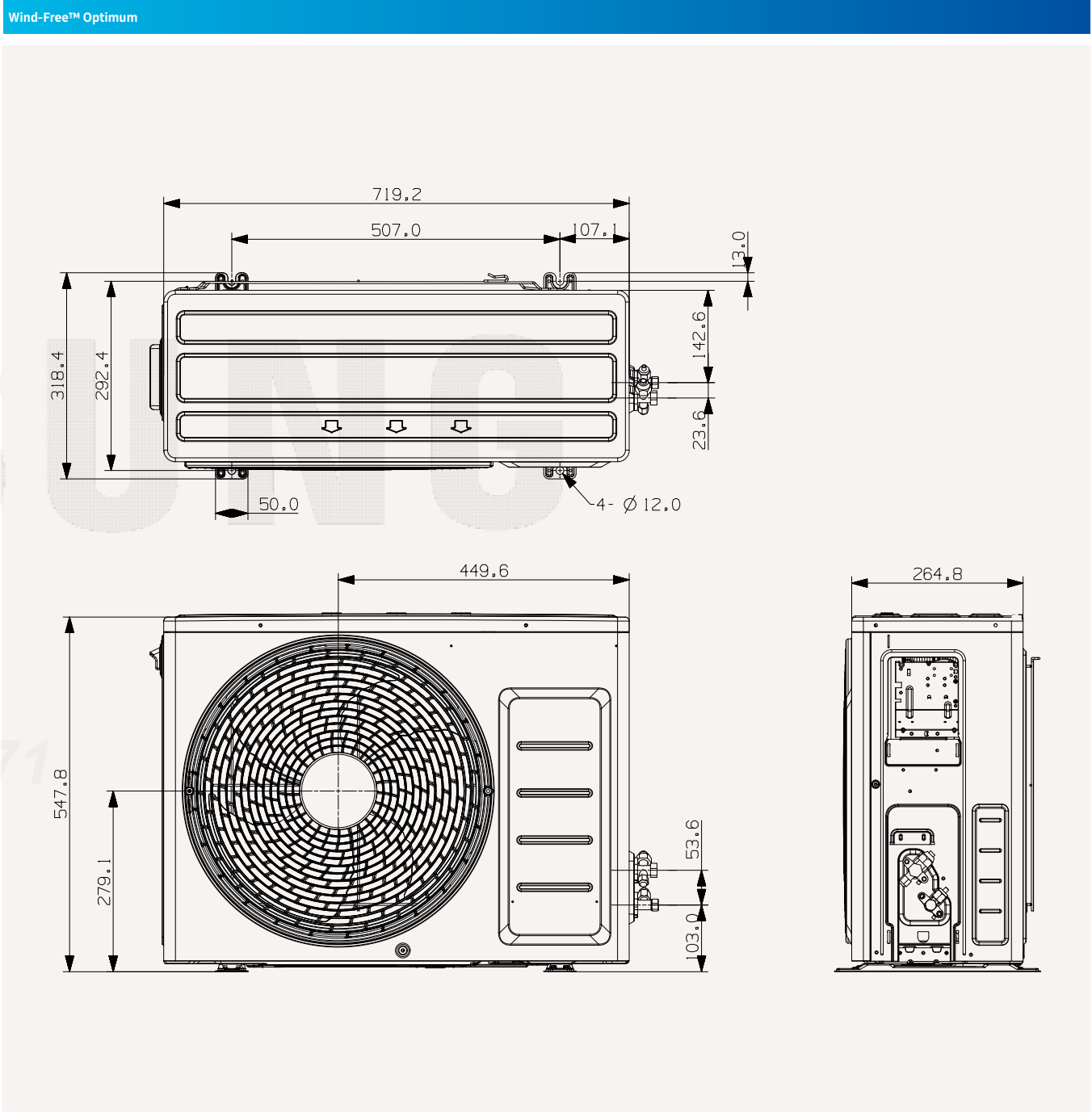


Dimensional Drawings

Wind-Free™ Optimum - Indoor



Wind-Free™ Optimum - Outdoor



Learn more about Samsung Climate Solutions at: www.samsung.com/climate

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